



# THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.

Founded in 1931

APRIL 2019  
VOLUME 71, ISSUE 8

## INSIDE THIS ISSUE

MONTHLY PROGRAM	1
ROCHESTER HAMFEST 2019	2
CLUB STATION REQUIREMENTS	3
DMR USERS GROUP	3
LINCOLN WEB	3
CALENDAR OF EVENTS	3
SENATOR SCHUMER	4
EDUCATION	5
PUBLIC SERVICE	6
MONTHLY RAFFLE PRIZES	6
BILL THOMPSON	7
NOTES FROM THE WORK BENCH	8
DRUMLINS ARC HAMFEST	8
RAGS OF THE PAST	9
VE TEAM	10
ELMERS	10
RARA CALENDAR	11
NEWS AREA FROM CLUBS	12
AMATEUR'S CODE	14
RARA MARKETPLACE	15
HAMFEST SUPPORTERS	15
RARA OFFICERS	16
AREA CLUB CONTACTS	17

## THE MAGIC OF RADIO CAPTURES OUR IMAGINATION

SCOTT THEIS, W2LW, RARA VICE PRESIDENT

Our annual "Old Timers' Night" this year will be held on April 3<sup>rd</sup>.

Every communication invention has been 'magic' to society at that time. Still, what is it about the magic of radio that captured society's imagination almost instantly and persists even into today? April's presentation will be given by Robert Hobday, N2EVG, from the Antique Wireless Association (AWA). Bob will compare each of the iconic communication inventions and explore what made radio so very magical to the general public.



From the early days of spark gaps and tuned RF to today's software defined radios, every decade has seen enormous improvements in radio technologies, communications and applications. Bob will be focusing on the incredible impact of radio during the 1920s and 1930s. These decades saw a dramatic improvement in tube and circuit technology along with an explosion of broadcasting and commercial receivers. Radio went from an experimental curiosity to a government and commercial necessity, and a household staple.

Bob Hobday has been a member of AWA since 1984, serving as a Museum Historian and a volunteer on the Museum Staff. In 2009, Bob was elected as AWA Deputy Director, and in August 2018, he was elected as Director. He is a past President of RARA and is a Life Member.

Bob is a graduate of Union College with a BA in Industrial Administration. He worked at Rochester Gas and Electric for 32 years, advancing to Manager of Pricing. In 1997, he was one of two team leaders that created Energetix, a subsidiary and finally an affiliate of RGE, where he advanced to Managing Director of Strategic Issues. Bob is a Fellow in Radio Club of America and a recipient of their Jack Poppele Award.

Please join us on Wednesday, April 3<sup>rd</sup>, 2019, 7:00PM at the Boy Scouts Headquarters at 2320 Brighton Henrietta Town-line Road, Rochester, New York 14623.

# RARA



K2JD

N2EH

W2EOC

# Rochester Hamfest 2019

## HELLO FROM THE ROCHESTER HAMFEST 2019 COMMITTEE!

- June 1st, 7am - 2pm
- Hilton Exempt Club
- 137 South Avenue
- Hilton, NY 14468

As we continue to gather raffle prizes, organize presentations, and make other adjustments, it's time to start recruiting volunteers.

What do we need volunteers for?

### Friday

- A few hours in the afternoon
- Setting up the indoor space, flea market parking layout, and free parking demarcation.

### Saturday

- Various shifts from 5:30am to 4:00pm
- Ticket sales, Traffic and Parking guidance, Raffle ticket sales, Country Store, Cleanup

Please use this form to sign up: <https://goo.gl/forms/Fj4QYQDURDDVGWUC3>

Please mark all times or tasks for which you are available, and leave a comment such as "Interested in working one 2-hour shift. Prefer morning"

Once people start signing up, we'll put you into specific timeslots and put it on the hamfest site. We'll also send an e-mail to all volunteers to confirm that they are okay with their slots.

Watch future RAGs and <https://www.rochesterham.org/hamfest.htm> for updates.



# Club Station Requirements Committee

SCOTT THEIS, W2LW, RARA VICE PRESIDENT

We will be holding our third meeting at 6:00PM Thursday April 11<sup>th</sup> at 333 Metro Park, Suite F-500, Brighton (Novaworks, LLC, Suite F-500 'B' Area).

During the last meeting, we formalized the goals of the group, agreed to meet the second Thursday of the month, agreed on basic subcommittee procedures, organized and prioritized some of the requirements.

The purpose of our next meeting will be to continue refining requirements and options. Currently, the subcommittee has four members; I would prefer five. If you feel you have the background and knowledge that could help in this endeavor or just want to participate, please feel to join!


Our working document is available upon request. If you would like to participate or get a copy of the current document, please contact me at [vicepresident@rochesterham.org](mailto:vicepresident@rochesterham.org).

## WNY/Finger Lakes DMR Users Group

The WNY/Finger Lakes DMR Users Group was created on Facebook in September 2018. This group has 92 members and is administered by Ron Ketchum, W2RDK and others. This Facebook group has as its purpose to provide information for those interested in joining the DMR ranks for hams in our local area. The site hosts reference documents, code plugs, pictures, rig, and hotspot information. The group is "closed" in that it requires a user to join the group before all group functions may be accessed. "Joining" requires entry of your callsign, license class and any DMR radios you use or will be purchasing in the future. If you are not presently a Facebook user, you will need to create a Facebook account first. Check out this group and the link which follows.

## BOARDZ BUZZ

WILL RETURN NEXT MONTH




Check It Out

### Lincon Web

#### STORES

- [Milestone Technologies](#)
- [Fox Delta](#)
- [Down East Microwave](#)
- [Tigertronics](#)
- [Ameco](#)



## CALENDAR OF EVENTS

**WEDNESDAY APRIL 3, 2019** - RARA General Meeting  
7:00 PM at BSA Headquarters  
2320 Brighton Henrietta Town Line Rd

**Thursday April 4, 2019** - RARA Board of Directors  
5:45 PM at Novaworks, 333 Metro Park, F-500

**Saturday April 20, 2019** - RARA VE Testing  
9:45 AM RIT Kate Gleason College of Engineering, Room 9-3139

**SATURDAY JUNE 1, 2019** - ROCHESTER HAMFEST 2019



NOTE: I received this email on March 15, 2019 and have included it in the RAG. I have not recently contacted Senator Schumer.

## A MESSAGE FROM SENATOR CHARLES E. SCHUMER

Dear Mr. Shick:

Thank you for writing to express your support for the Amateur Radio Parity Act. I agree that we must work in a bipartisan fashion to bring together a broad coalition of stakeholders to craft a comprehensive solution.

As you know, S. 1534, the Amateur Radio Parity Act of 2017 was introduced in the 115th Congress. This bill sought to loosen Federal Communications Commission regulations to allow amateur enthusiasts to install outdoor antennas.

Amateur radio communications are important in emergency situations such as natural or man-made disasters. Indeed, after Hurricane Sandy struck the northeastern United States, first responder communications went down and amateur radio transponders were crucial in delivering and coordinating lifesaving information. In the midst of a natural disaster reliable communications can often mean the difference between life and death which is why I cosponsored S. 102, the Securing Access to Networks in Disasters Act (SANDY Act). This bipartisan

legislation would ensure that during an emergency consumer cell phones work on other carriers' networks even if their own network becomes inoperable. This bill would also assign priority calling to 9-1-1 services and emergency communication from networks and local emergency services.

While the Amateur Radio Parity Act has not yet been re-introduced in this Congress, I will continue to work to support amateur radio enthusiasts across America.

Again, thank you for contacting me. Please keep in touch with your thoughts and opinions.

Sincerely,

Charles E. Schumer  
United States Senator



Hams serving Hams  
We speak your language... QSL?

- \* **FREE** home relocation and property search services
- \* **FREE** valuation and financing consultations

- Estate Liquidation - Downsizing - or just a change of scenery...

*Whatever your real estate needs are, call:  
Frank (WB2PYD) or Lisa (K2BGR)*

Lisa Schramm (K2BGR)  
Licensed Real Estate Salesperson  
LSchramm@KW.com  
585.756.3185

Frank Schramm (WB2PYD)  
Realtor  
Licensed Real Estate Salesperson  
Certified Financing Specialist  
FSchramm@KW.com  
585.512.8989

Keller Williams Realty Greater Rochester 2000 Winton Rd South Building 1-201 Rochester, NY 14618

**STONWOOD  
HOMES**  
REAL ESTATE TEAM  
AT  
**KW** GREATER  
ROCHESTER  
KELLERWILLIAMS. REALTY  
**585.362.8564**  
[www.Stonewood-Homes.com](http://www.Stonewood-Homes.com)



## EDUCATION

Tim Brown, WB2PAY, Education Coordinator

### THE ELMERS CORNER

At each RARA General meeting, there will be an ELMER available from 6:15PM to 6:45PM to answer questions and assist with technical advice.

To do justice to your questions, we will devote 30 minutes prior to the beginning of the meeting to give your questions the attention they deserve.

RARA's ELMERS will help you with your questions. If the ELMERS do not have the answer, they will get back to you with the information.



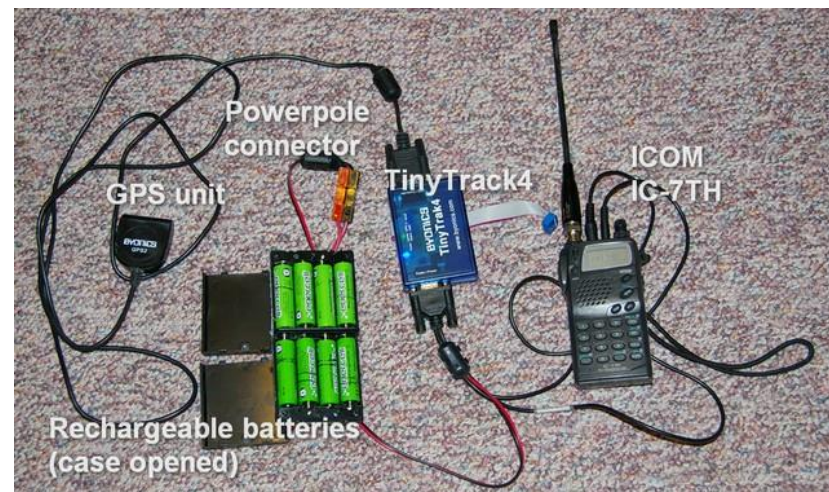
A BASIC HF STATION

### RARA ACADEMY WORKSHOPS

**PLEASE NOTE CLASS SIZE IS LIMITED BY SEATING TO 30 PARTICIPANTS.**

**APRIL — APRS Applications and Weather Stations**  
**April 6th, 2019 (10am-Noon)**

Session will be held at the Five Star Bank City Gate Office, Community Room, 395 Westfall Road, Rochester, NY 14620



APRS TRACKER

#### APRS TOPICS FOR DISCUSSION:

What is APRS (Automatic Packet Reporting System)?

Portable and mobile tracker examples

Radios with built in APRS?

Bulletins, messages, email and weather

What Weather station should I get?

What do I need to run a Weather station

What is the citizen weather observer program

SKYWARN applications of Weather information

Public Service Events

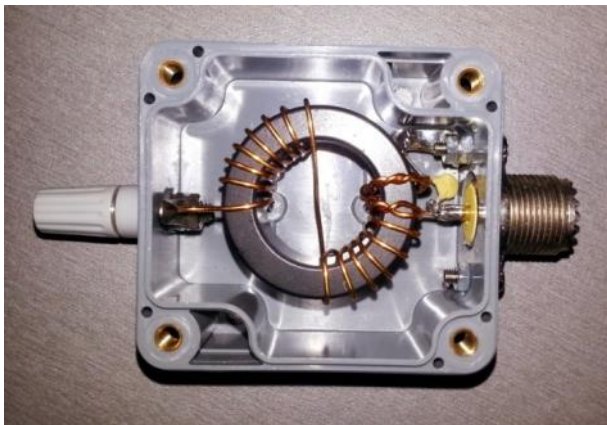
High Altitude Balloons

This Session will be hosted by Don Kiser, AC2EV and Jon Dickason, N2JAC

**MAY — BALUN USES AND BALUN BUILD**  
**May 11th, 2019 (10am-Noon)**

Session will be held at the Monroe County EOC, 1190 Scottsville Rd. Suite #200, Rochester, NY 14624





**49:1 UNUN FOR EFHW ANTENNA**

#### **BALUN TOPICS FOR DISCUSSION:**

- Baluns - What do they do?
- 1:1, 4:1, 49:1 What ratio do I need?
- What Toroid Core should I use?
- Applications for various Baluns or UNUNs
- End Fed Half Wave, Random wires, Dipoles

#### **BALUN BUILD:**

- Fabricate your own Balun on a FT240-43 core
- **Cost \$10 - REGISTER TO RESERVE A CORE AND WIRE**

This Session will be hosted by Pete Schuch, WB2UAQ and Larry Brightenfield, W2LB.

Sign up for Academy Workshops by emailing  
<mailto:education@rochesterham.org>

Latest Academy information is available at  
[https://www.rochesterham.org/rara\\_academy.htm](https://www.rochesterham.org/rara_academy.htm)

## **RARA PUBLIC SERVICE APRIL UPDATE**

Mike Moore, KC2NM, RARA Public Service Coordinator

When you volunteer with RARA, you help educate the public about the Amateur Radio Service, welcome newcomers, encourage self-training and skill advancement and bolster a nationwide emergency communications network. RARA provides the primary communications and logistics support for many high-quality charity events this year and will make a key impact in the success of these events and the worthy causes that they support! Coming up on April 27, RARA members will hold a Radio Merit Badge session at the BSA headquarters on Brighton Henrietta Townline Rd. Please see [http://rochesterham.org/public\\_service.htm](http://rochesterham.org/public_service.htm) to learn how you can be of help with the merit badge program. In addition to the classroom sessions, we will have an operating hf station and fox hunt.

Please take a minute to visit our Public Service webpage and sign up for a few of our great events, all meant to benefit the health of the community where we live and work in one form or another. Feel free to bring along a friend or spouse even if they are not a HAM, the more hands on-deck we have the smoother the operation. This is also a great opportunity for new HAMS to sharpen your radio skills. All you need is a mobile and/or portable VHF and/or UHF radio and a de-

### **APRIL RAFFLE**

**April Raffle prizes are pictured below:**

- 2 Pole Coax Switch
- Temporary Power Node
- YELLOW 99Volt DVM

**Coming in May**  
**Surge Protector**



sire to get out of the shack and really do something worthwhile to help yourself and others.

Hope to see you out there this year!

[http://rochesterham.org/public\\_service.htm](http://rochesterham.org/public_service.htm)

Upcoming Events:

Radio Merit Badge	BSA Headquarters	Saturday	April 27, 2019
Tour de Cure	Xerox Campus Webster	Saturday	June 8, 2019
Bike MS: ROC the Ride	Genesee Valley Park - Rochester, NY	Saturday	August 24, 2019
Fairport Lift Bridge Regatta	Erie Canal – Fairport, NY	Saturday	Sept. 28, 2019
Jamboree On the Air	Camp Babcock Hovey	Saturday	Oct. 19, 2019
Pumpkin Patrol	Overpasses of the New York State Thruway	Wednesday & Thursday	Oct. 30-31, 2019
Holiday Science & Technology Day	Rochester Museum & Science Center	Saturday	Christmas Week

## Silent Key

**Bill Thompson  
W2MTA**

February 16, 2019

*02/22/2019*

Bill Thompson, W2MTA, who headed the ARRL Western New York Section from 1980 until 1999, died on February 16. An ARRL Life Member, he was 87. Formerly of Newark Valley, New York, Thompson was licensed in 1952. He was a Marine Corps Veteran of the Korean Conflict and later was employed by IBM in various posts. In 2009, Thompson was honored with ARRL's Knight Distinguished Service Award, which recognizes notable contributions by a Section Manager to the well-being and vitality of ARRL.

He was a long-time leader and supporter of the National Traffic System, and served as Second Region Net manager and as chair of the NTS Eastern Area Staff. He also held Official Relay Station and Net Manager Appointments for several decades in the Western New York Section, and he served as an Assistant Director of the ARRL Atlantic Division. He was a good friend of RARA by supporting our hamfests during the Atlantic Division days and using his wide area of influence to provide speakers and programming to the benefit of all. There would never be a complete ARRL Field Day unless you worked Bill on 80 meters. Bill also loved to visit and tell the world about the Antique Wireless Museum in nearby Bloomfield, NY, where he was a member.

*Thanks to Roanoke Division Director Bud Hippisley, W2RU and RARA Historian Ed Gable, K2MP.*

# NOTES FROM THE WORK BENCH: WHAM 1180 IS A PAIN IN MY FRONT- END

Karl Heinz Kremer, K5KHK

I live about 2 miles from the WHAM 1180 transmitter. As much as their listeners appreciate a strong signal, 50KW will make anything with a wide open front end into an AM broadcast receiver. Our "normal" rigs usually have enough filtering in their front ends to not cause too much trouble, but any SDR receiver like a SDRPlay or even a cheap RTL-SDR dongle has by definition no filters in the front end, so with even the smallest bit of antenna (and often just the antenna jack provides enough of an "antenna"), the AM signal from a nearby broadcast transmitter will overdrive the receiver be all over the bands – regardless of what frequency you tune to, WHAM will come out of the radio

Back in the 11/1995 issue of QEX, Ed Wetherhold, W3NQN showed a nice little band-stop filter that can be created for one specific frequency. The ARRL released this article to non-QEX subscribers for free, and you can download it from here: <http://www.arrl.org/files/file/protected/Group/Members/Technology/tis/info/pdf/9511qex003.pdf>

WHAM is on 1180KHz, so I could pick either the 1116KHz or the 1120KHz filter. Both use the same capacitors (2x 4.7nF and 1x2.2nF), so I left the decision about which one to build based on how close I could get to the target inductance values with the toroids I had. After some research on <http://toroids.info> which tells you the number of turns for a given inductance value and the length of wire to cut (plus more), I picked T68-7 toroids and would wind them for the 1120KHz version. This got me pretty close to the desired inductance values with full turns (there are no half turns with toroids).

The whole filter with three toroids and three capacitors plus a 1:1 transformer on an FT50-75 to reduce noise on the input of an SDR receiver was built on a piece of unetched PCB material. I used the "Manhattan" technique to create small islands of PCB pads that are glued to the base material with super glue. These pads are then used to solder the components to. Anything that gets connected to ground, will get soldered directly to the base board.



After the board was soldered, I did a quick test and WHAM was down from over S9+60 to a more manageable S9+10. I then added a piece of hot glue stick inside of each of the horizontal toroids and heated it with a hot air gun to melt it and to secure the toroids to the board. My wide open SDR receivers are now finally happy.

NOTE: This is a receive only filter DO NOT transmit through it.

## DRUMLINS AMATEUR RADIO CLUB HAMFEST.

\$5 per person  
\$5 per table  
\$3 tailgate vendors.

Sat. April 27, 2019 at the Palmyra VFW, 4306 State Rt 31, Palmyra, NY (approximately 3 miles east of Palmyra or 5 miles west of Newark on the south side of Rt 31. Look for the army tank out front).

Vendors can set up at 7am, doors open at 8 am until around 12 noon.

There are door prizes including a grand prize of \$200 gift certificate to Ham Radio Outlet. Winner must be present for Grand Prize drawing. We also have a kitchen serving breakfast and lunch. We will monitor 146.745 pl 71.9. Unfortunately we will not be offering a testing session this year.

For more information: [hamfest@drumlinsarc.us](mailto:hamfest@drumlinsarc.us)



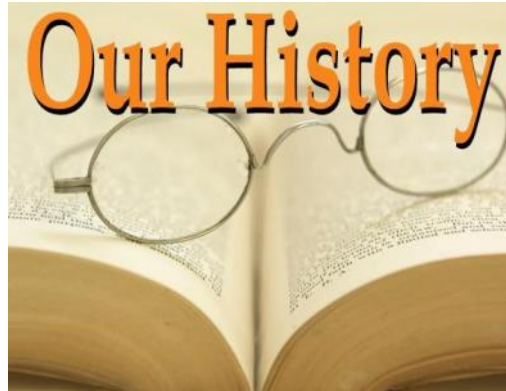
# RAGS OF THE PAST

ED GABLE, K2MP, RARA HISTORIAN



40 Years Ago, April 1979

Seeing Bruce Kelley W2ICE, in front of the room chatting away about some historical program was always going to be a pleasant night. This month was no exception as Bruce talked about the history and contributions of Thomas Alva Edison on this, the 100<sup>th</sup> anniversary of electric light. The venue for the meeting changed to the Gleason Recreation Center and RARA was hosted by GEARS, Gleason Employees Amateur Radio Society, Bill Buchanan WA2ELC, president. Len Gessin WA2ZNC, writing as RARA President, announced that the just completed RARA Valentine Dinner-Dance was a great success and he recognized Cappy Capauldy K2UXF, and his XYL Skippy, for their years in hosting this event. Harold Smith K2HC, changed his hat from Hamfest Chairman to Travel Agent as he announced a chartered flight from Rochester to Dayton, with lodging, and return for a very reasonable amount. John Schooley, K2NC, wrote with the exciting news of FCC license exams being held at the Rochester Hamfest. John worked with the FCC Buffalo office Engineer-in-Charge to bring the exams here and worked on each and every FCC excuse of why it couldn't be done. The FCC finally said yes and a historic first time event brought the FCC out of their offices to a Ham Radio Convention. John had to tell people how to modify the venerable FCC application form 610 as it didn't fit this unique situation. Tom Richmond WB2IEY, writing for the VHF Grouper's, invited all to get on and work a doable 100 stations in Rochester VHF Group Century Club contest on April 14<sup>th</sup>. Otto Bluntzer WB2RJB, in highlighting the Minutes of the RARA Board meeting revealed that RARA had 782 members and \$2,014 in the treasury. With regret it was reported that Ivan Loucks W3GD and Harold Erskin W2UG were reported as Silent Keys. From the Want Ads you could buy an ICOM IC-230 transceiver from Ray Roberts WA2SSU for \$250.00. And totally smashing RARA commercial advertising was a full, two page, ad from the winner! After months of battling by JR's amateur Radio Supply and Amateur Radio of Rochester, with their full page ads in the Rag, they announced a merger and will become JR's Amateur Radio of Rochester, effective April 9, 1979, at 1185 Scottsville Road. Staying through the merger were Ron Ellis WA2LHI, Russ McKay WA2CBU, Jim Sce WB2JON and John Yells N2JY.



20 Years Ago, April 1999

Bob Moore N2USB, Program Chairman, wrote to inform the membership of the next RARA meeting that will again be on the technical side and feature Ev Tupis W2EV, as our speaker. Ev, a noted VHF/SHF operator and then holder of a 10 Gig DX record, will speak on his newest project, PropNET. PropNET software, combined with your existing shack hardware, will provide a cutting edge method of plotting band openings in near-real-time. This writer doesn't remember the record snow storm in April of 1999, but President Rick Wells W2RW, reminds us of this event in an unusual way. He documented the storm while looking out the window and writing his "Prez Sez..." RARA Rag column. He started by saying his coax riser going to his tower disappeared, to be followed by the tower winch handle and finally the bottom section of tower, ten feet! The tool shed was gone by 9:00 p.m. and the next morning, using snow shoes, he walked over to his 80 meter trapped dipole to perform some maintenance. It was, after all, at waist level and an easy task. Rick also encouraged members to attend the RARA Spring Picnic scheduled for June 19, at Ellison Park. There was a nice article describing the life and contributions of John Schooley W2BLU, who recently passed of cancer. John was especially remembered for bringing FCC Amateur Radio testing to the Rochester Hamfest way before the concept of VE testing. John was RARA Board member, worked with RACES and was an enthusiastic SCCA road rally volunteer. Public Service event Chairman, Ed Holdsworth N2EH, reported there were already twelve events firmly scheduled, or penciled in, for the year. Some events are still remembered: Tour de Cure, Stuart Horse Trials, Walnut Hill Driving Competition, Ginna Drill Exercise and more. Len Gessin, WA2ZNC, wrote a brief but important announcement to tell all and invite folks to the Rochester VHF Group's 50<sup>th</sup> Anniversary Banquet, to be held at Mario's Via Abruzzi. A photo in this issue showed Neal Eckhardt WB2EKP, receiving an appreciation plaque from President Rick Wells W2RW, for his years of service as editor of the RARA Rag. Lloyd Caves, WB2EFU (N2PU), continued his multi-part column on scheduled events for this year's three day hamfest and Atlantic Division Convention. Lloyd reports a new program has been firmed up where we are very lucky to have Tim Duffy, K3LR, speaking on amateur antennas. The *Reflections* column this month featured Tim Magee, WB2KAO, writing about his fascinating amateur career from his 1963, Novice ticket to a chance on-air meeting where he met his future wife. Great reading, Tim, and thanks for being such a supportive member of the RARA family. With regret it was reported John Schooley W2BLU, Bill Buchan W2OMV and David Crumline N2NVE were reported a Silent Keys. There were no Want Ads within but a long term commercial advertiser was Sherwood Snyder W2KFU, Attorney At Law.

## VE TEAM

The next **ALWAYS FREE** testing session:  
 Saturday April 20th (Third Saturday)  
 Rochester Institute of Technology  
 Kate Gleason College of Engineering  
 Gleason School of Engineering  
 Room 3139, Bldg. 9  
 Use "J" parking lot

Registration at 9:45AM  
 Testing at 10:00AM

You do not have to preregister.

To avoid giving your SSN go to:  
<http://wireless.fcc.gov/uls/index.htm?job=home>  
 Register and bring the resultant FRN.

For more info:  
<https://www.laurelvec.com/?team=RARA>

Don Kiser - AC2EV  
 RARA Board member  
 VE Team Leader  
 585-613-1035

<b>Jeffrey Sonstein</b>	KD2RRB	G	David Enright	KD2RER	G
<b>Andrew Beckmann</b>	KD2RRC	T	<b>John Farnach</b>	KD2RRD	T
Gary Lorraine	KD2PAF	G	<b>Eric Quackenbush</b>	KD2RRE	G
Clay Cooper	KD2PIJ	G	<b>Christopher Mears</b>	KD2RRF	T

New licensees names are in BOLD

## CW ELMERS

Name	Call	Area	Email
Ned Asam	W2NED	Pittsford	<a href="mailto:w2ned@frontiernet.net">w2ned@frontiernet.net</a>
Tim Brown	WB2PAY	Ogden	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>
Pete Fournia	W2SKY	Penfield	<a href="mailto:pfournia@gmail.com">pfournia@gmail.com</a>
Bill Hopkins	AA2YV	Brighton	<a href="mailto:whopkin4@naz.edu">whopkin4@naz.edu</a>
Bob Karz	K2OID	Webster	<a href="mailto:rkarz@rochester.rr.com">rkarz@rochester.rr.com</a>
Larry Lavery	WW2J	Fairport	<a href="mailto:ww2j@arrl.net">ww2j@arrl.net</a>
Joe Rowe	AG2Y	Webster	<a href="mailto:ag2y@rochester.rr.com">ag2y@rochester.rr.com</a>

## RADIO ELMERS

Name	Call	Area	Email
Tim Brown	WB2PAY	Ogden	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>
Dave Carlson	N2OA	Batavia	<a href="mailto:kdcarlso@gmail.com">kdcarlso@gmail.com</a>
Lawrence Hill	N2AJX	Henrietta	<a href="mailto:lawrence.hill@rit.edu">lawrence.hill@rit.edu</a>
Bill Kasperkoski	WB2SXY	Pittsford	<a href="mailto:wb2sxy@arrl.net">wb2sxy@arrl.net</a>
Don Kiser	AC2EV	N Greece	<a href="mailto:dkiser100@gmail.com">dkiser100@gmail.com</a>
Karl Heinz Kremer	K5KHK	Chili	<a href="mailto:k5khk@khk.net">k5khk@khk.net</a>
Tim Magee	WB2KAO	Greece	585-704-5747
Peter Schuch	WB2UAQ	Perinton	<a href="mailto:pschuch@rochester.rr.com">pschuch@rochester.rr.com</a>
Forest Shick	WA2MZG	Webster	<a href="mailto:fshick3@gmail.com">fshick3@gmail.com</a>
Dave Timmons	W2DST	N Greece	<a href="mailto:dstimmons@gmail.com">dstimmons@gmail.com</a>
Dan Waterstraat	W2DEW	Henrietta	<a href="mailto:higreen@rochester.rr.com">higreen@rochester.rr.com</a>

# RaRa CALENDAR

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

April 2019						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	<b>1</b> IQRP Quarterly Marathon RSGB Club Champ 80M CW ARS Spartan Sprint	<b>2</b> QRP Foxhunt Phone Fray IQRP Quarterly Marathon	<b>3</b> <b>RaRa Monthly Mtg 7:00pm, BSA HQ, Brighton Henrietta TLR</b>  ROC City Net 8:00pm 3.826 MHz IQRP Quarterly Marathon UKEICC 80M Contest CWOps Mini-CWT Test	<b>4</b> <b>RaRa BoD Meeting 5:45pm Nova-works 333 Metro Park Rochester 14623</b>  ARES Net 146.61 MHz 7pm IQRP Quarterly Marathon SARL 80M QSO Party QRP Foxhunt NCCC Sprint	<b>5</b> IQRP Quarterly Marathon	<b>6</b> <b>AWA Museum Open 1pm - 5pm</b> <b>RARA Academy – APRS</b> IQRP Quarterly Marathon MO MS QSO Parties PODXS 0709 Club PSK31 Contest Florida State Parks on the Air SP DX Contest EA RTTY Contest
<b>7</b> IQRP Quarterly Marathon MO MS QSO Parties PODXS 0709 Club PSK31 Contest Florida State Parks on the Air SP DX Contest EA RTTY Contest RSGB RoLo SSB Contest	<b>8</b> 144MHz Spring Sprint	<b>9</b> Phone Fray NAQCC CW Sprint	<b>10</b> ROC City Net 8:00pm 3.826 MHz <b>SIARC 7.30pm</b> CWOps Mini-CWT Test	<b>11</b> ARES Net 146.61 MHz 7pm	<b>12</b>	<b>13</b> <b>AWA Museum Open 1pm - 5pm</b> QRP ARCI Spring QSO Party JIDX CW Contest FT8 DX Contest OK/OM Contest SSB SKCC Sprintathon Texas State Parks on the Air NM ND GA QSO Parties Yuri Gagarin DX Contest
<b>14</b> <b>ARRL Rookie Roundup</b> JIDX CW Contest F9AA Cup, PSK, FT8 DX Contest OK/OM Contest SSB SKCC Sprintathon Texas State Parks on the Air NM ND GA QSO Parties Yuri Gagarin DX Contest WAB Data Modes Hungarian Straight Key Contest International Vintage Contest HF	<b>15</b>	<b>16</b> <b>RDXA 7.30pm Monroe Cty EOC</b> Phone Fray 222MHz Spring Sprint	<b>17</b> ROC City Net 8:00pm 3.826 MHz CWOps Mini-CWT Test	<b>18</b> ARES Net 146.61 MHz 7pm <b>World Amateur Radio Day (IARU)</b> NCCC Sprint	<b>19</b> Holyland DX Contest	<b>20</b> <b>AWA Museum Open 1pm - 5pm</b> Holyland DX Contest ES Open HF Championship Worked All China Contest YU DX Contest CQMM DX Contest MI NE ON QSO Parties EA-QRP CW Contest
<b>21</b> ES Open HF Championship Worked All China Contest YU DX Contest CQMM DX Contest MI NE ON QSO Parties EA-QRP CW Contest SKCC Sprint	<b>22</b>	<b>23</b> Phone Fray	<b>24</b> ROC City Net 8:00pm 3.826 MHz CWOps Mini-CWT Test 432MHz Spring Sprint UKEICC 80M Contest	<b>25</b> <b>Monroe Cty ARES 6pm, Red Cross Center, Prince St</b> RSGB 80M Club Champ, Data NCCC Sprint	<b>26</b>	<b>27</b> <b>AWA Museum Open 1pm - 5pm</b> 10-10 Spring Contest SP DXC RTTY Contest Helvetia Contest Florida QSO Party
<b>28</b> 10-10 Spring Contest SP DXC RTTY Contest Helvetia Contest Florida QSO Party	<b>29</b>	<b>30</b> Phone Fray				



# NEWS FROM AREA CLUBS

## MONROE COUNTY ARES / RACES News

The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. Anyone interested, members and non-members, are welcome to attend.

The next ARES Meeting will be held on: **Thursday, April 25, 2019, at 6:00 PM.**

Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)

**ARES NET:** Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

**WEB:** [www.monroecountymcomm.org](http://www.monroecountymcomm.org)

### Severe Weather Alerts:

Winter brings severe weather in the form of heavy snow and strong winds. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads)

## ROCHESTER DX ASSOCIATION, RDXA

RDXA meets the 3rd Tuesday of every month (September through May) except for December, which is the Annual Holiday Banquet. Meetings are open to everyone and all are encouraged to attend. The next meeting is Tuesday March 19, 2019

The Tuesday, 16 April, RDXA General Membership meeting will be presented by Dave Hallidy, K2DH regarding FT8 operation. Come learn about the mode that is taking the bands by storm. All are welcome.



Meetings are held at the Monroe County EOC 1190 Scottsville Rd. (second floor), Rochester, NY 14624 at 7:30PM.

## ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association, RRRA invites you to attend its April 19, 2019 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 PM.

RRRA's April meeting is a encore presentation of "All Mode Operation on VHF and UHF Bands" presented by Jarred Jackson at RARA's February meeting.

<https://www.rochesterham.org/documents/rararags/2019-02.pdf>

Jarred, KF2MR is the current Chairman of the Rochester VHF group. Jarred will talk about CW, digital modes, FM, and SSB operation on VHF and UHF.

The RRRA officers are Bob ODell, N2BZX President, Bob Shewell, N2HJD Vice President, ED Wilkonski, KC2WM Secretary, and Bob Smith, NS2B-Treasurer / Membership Chairman. RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our web site [www.k2rra.org](http://www.k2rra.org)

## ROCHESTER VHF GROUP

The Rochester VHF Group sponsors an informal On-Air Net every Monday at 2100 local time on 144.260 MHz USB and a 6 Meter Net every Thursday at 2100 local on 50.200 MHz USB.

More club information can be found by visiting [www.rvhfg.org](http://www.rvhfg.org) or just calling in any Monday or Thursday night. All are welcome to check in to these nets.

## XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club will have their next meeting at 6PM on Thursday April 11th at the Webster Recreation Center. Look for details on our website <http://xarc.us>

## DRUMLINS AMATEUR RADIO CLUB

The Drumlins Amateur Radio Club meets every third Wednesday of the month at 7:30 PM at the Wayne County EMO/Sheriff's Office 7376 State Hwy 31 #1000, Lyons, NY 14489. Doors open at 7 pm, meeting starts at 7:30 pm. Announcements will be made on the 146.685 repeater. The Drumlins Hamfest will be held Sat April 27, 2019 beginning at 8 am. Palmyra VFW. Contact Rich at [Tinker@rochester.rr.com](mailto:Tinker@rochester.rr.com) for information. Drumlins ARC website address is <http://drumlinsarc.us/>

## AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

ARAST meets the third Thursday of every month at the Town and Country Fire Department on Gardner Rd in Horseheads New York. Chemung County ARES (CCARES) meets the first Tuesday of the month except February at Harris Hill. See [www.ccares.info](http://www.ccares.info) for details. CCARES covers the entire area in Chemung, Schuyler and Steuben counties and all are welcome.

Several members are talking about getting their equipment ready for Field days coming in June. It's never too early to plan ahead.

Communicators are needed to help with the 2019 Wineglass Marathon October 6, 2019 (one week following the Hamfest). If you would like to help, contact the emergency coordinator: [emergencycoordinator@stny.rr.com](mailto:emergencycoordinator@stny.rr.com).

The Paypal feature for this year's hamfest is off line and will be restored as soon as tickets are available.

2019 Hamfest will be the last Saturday of September 2019. Stay tuned for more details

Our website is still under construction. It is anticipated that construction will continue well into the year. Until that is finished check us out at [www.arast.info](http://www.arast.info).

Don't forget to check out our repeaters when you visit the area. The N3AQ 147.36(+) and the 146.70(-) are the principal 2 meter repeaters. Also, Echolink is available using the call sign KA2BED-R. Check it out. A full list of available repeaters that can be heard in the twin tiers area surrounding Chemung County can be found at [www.arst.info/arast\\_website/public/repeaters.php](http://www.arst.info/arast_website/public/repeaters.php).

## COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refreshers period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30PM on 147.285+. We'd love to hear you check-in! Take a look at the club website for more info: [www.k2srv.org](http://www.k2srv.org)

## DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communications modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), sever-

al personal and public [DSTAR hotspots](#) (using the dvprtr board), Yaesu fusion systems on non-club repeaters and DMR. The last mode is being enjoyed locally through a [DV-Mega-Raspberry PI](#) combination. DCAP meets for breakfast at 7AM nearly every Saturday morning at [Rikki's Family Restaurant](#) in Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715 MHz with a PL of 110.9 Hz.

## KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

The Keuka Lake Amateur Radio Association is hosting a 2 Meter FM Simplex Challenge open to any licensed amateur operator. The object is to make as many contacts in many different zip code areas as possible in 5 hours.

This will be held May 18, 2019 beginning at 12:00 pm and ending at 5:00 pm local time. Everyone is encouraged to participate and submit their log regardless of how many contacts they have. This is intended as a fun contest to learn about using 2 Meter FM Simplex instead of repeaters, Echolink or digi-modes. This year we are limiting the area to be Steuben County and its immediate surroundings with the goal to be enlarging it in the future. Lets have fun, share the frequencies, help each other and learn together.

For further information, such as the rules, the map of the area, suggested frequencies and exchange please check out our website at [www.KLARA.US](http://www.KLARA.US)

We would love to have you join in and lets all have fun together.  
73, KD2BPJ Belinda Connor, Keuka Lake Amateur Radio Association

## SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will Wednesday, April 10th.

There will be a presentation this month on SDR (Software Defined Radios) There will not be license Exams this month. <http://siarc.us/> 73's Steve Benton VP SIARC WB2VMR

## WESTSIDE AMATEUR RADIO CLUB

The mission of the Westside Amateur Radio Club is to provide emergency communications services to the community, to assist other civic organizations, to promote the technical craft of amateur radio through class training and testing, to mentor new members, and enhance fellowship among radio amateurs.

The Westside Amateur Radio Club meets on the first Tuesday of the month, 7PM, at the Prudential Kares Realty, 3313 Chili Ave., Rochester, NY 14624. Park / enter on the left side of the building and meet in the lobby.

The talk in repeater for all meetings is the WR2AHL Repeater 146.760MHz - 110.9. AllStar, Echolink, and web streaming connections are available.

Website: <http://WestsideAmateurRadio.club>

## INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Visit our website at <http://www.interlockroc.org/>, contact us at [info@interlockroc.org](mailto:info@interlockroc.org), or find us in #interlock on Freenode IRC.

## ROCHESTER MAKERSPACE

For more information visit <https://www.makerspacerochester.org/hamradio>

## GENESEE VALLEY AMATEUR RADIO ASSOCIATION

Email [n3dsp@lafireline.net](mailto:n3dsp@lafireline.net) for details.

## ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE

For more information visit <http://www.rochesterastronomy.org/>

Pass it forward  
by donating your radio  
or accessory to RARA.



Your item may be sold at future RARA events with proceeds to benefit RARA members.

You will get a tax-deductible receipt and the satisfaction that comes with doing good for others.

Call 585-210-8910 or email  
[Secretary@RochesterHam.org](mailto:Secretary@RochesterHam.org).

RARA is an IRS 501.c.3 non-profit

Consult with your tax advisor.

## THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

### THE RADIO AMATEUR IS:

<b>CONSIDERATE</b>	Never knowingly operating in such a way as to lessen the pleasure of others.
<b>LOYAL</b>	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
<b>PROGRESSIVE</b>	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
<b>FRIENDLY</b>	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
<b>BALANCED</b>	Radio is an avocation, never interfering with duties owed to family, job, school or community.
<b>PATRIOTIC</b>	With station and skill always ready for service to country and community.



## RARA MARKETPLACE

Michele A. Jamison, MD

Office Hours  
by Appointment

Jamison Eye Care

[www.JamisonEye.com](http://www.JamisonEye.com)

90 Erie Canal Drive | Rochester, NY 14626 | P: (585) 225-5883

ELECTRICAL WORK • TELEPHONE JACKS • CABLE TV  
BURGLAR ALARM SYSTEMS • PADDLE FANS



MARTIN IPPOLITO

Master Electrician

Call 585-266-6337

P.O. Box 17438  
Rochester, NY 14617  
N2HEG

### PROMOTE YOUR BUSINESS WITH RAG ADVERTISING

Approx. size and cost—per year:

1/12 page: 3.4 x 1.85 \$140

1/4 page: 5.1 x 3.8 \$300

Your advertisement will be seen by amateurs in Rochester, Monroe County, New York State, the United States and even the rest of the world. RAG circulation is approx. 4,500.

Contact us for details at  
[editor@rochesterham.org](mailto:editor@rochesterham.org).

### RARA HAMFEST SUPPORTERS SUPPORT OUR HAMFEST SPONSORS

QRP Quarterly

QRP Amateur Radio Club  
International

[www.qrparci.org](http://www.qrparci.org)

CHAMELEON™  
ANTENNA

[https://  
chameleonanten-  
na.godaddysites.com/](https://chameleonantenna.godaddysites.com/)

**DX**  
ENGINEERING

[www.dxengineering.com](http://www.dxengineering.com)

WEST MOUNTAIN  
**RADIO**

[www.westmountainradio.com](http://www.westmountainradio.com)

**Maxcon**  
**Antennas**

[www.maxconus.com](http://www.maxconus.com)

**MFJ**

[www.mfjenterprises.com](http://www.mfjenterprises.com)

HAM RADIO DELUXE

HAM RADIO DELUXE SOFTWARE  
The Radio Amateur's Best Asset

[www.hamradiodeluxe.com](http://www.hamradiodeluxe.com)

**Tigertronics**™  
Grants Pass, Oregon

[www.tigertronics.com](http://www.tigertronics.com)

# RARA OFFICERS, DIRECTORS AND COORDINATORS

## OFFICERS

<b>President:</b> Tim Guyot, KB1POP	(585) 406-3163	<a href="mailto:timguyot@gmail.com">timguyot@gmail.com</a>	<b>Treasurer:</b> Brian O'Connor, KA2CGB	(585) 721-2346	<a href="mailto:ka2cgb@arrl.net">ka2cgb@arrl.net</a>
<b>Vice-President:</b> Scott Theis, W2LW	(845) 774-9809	<a href="mailto:sa_theis@hotmail.com">sa_theis@hotmail.com</a>	<b>Secretary:</b> Ralph Dutcher, KD2BDZ	(585) 738-9949	<a href="mailto:dutchr@gmail.com">dutchr@gmail.com</a>

## DIRECTORS

Tim Barrett, K9VB	(585) 582-2108	<a href="mailto:tim.k9vb@gmail.com">tim.k9vb@gmail.com</a>	Don Kiser, AC2EV	(585) 613-1035	<a href="mailto:dkiser100@gmail.com">dkiser100@gmail.com</a>
Tim Brown, WB2PAY	(585) 750-2087	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>	Karl Heinz Kremer, K5KHK	(585) 503-7214	<a href="mailto:k5khk@khk.net">k5khk@khk.net</a>
James Burroughs, KN4LSL		<a href="mailto:jebsar1@yahoo.com">jebsar1@yahoo.com</a>	Mike Moore, KC2NM	(585) 721-0011	<a href="mailto:mikemoore@ieee.org">mikemoore@ieee.org</a>

## ACTIVITY COORDINATORS

<b>Club Historian</b>	Ed Gable, K2MP	<a href="mailto:egable@rochester.rr.com">egable@rochester.rr.com</a>	<b>Public Service</b>	Mike Moore, KC2NM	<a href="mailto:mikemoore@ieee.org">mikemoore@ieee.org</a>
<b>Club Station Trustee</b>	Jim DiTucci, N2IXD	<a href="mailto:n2ixd@arrl.net">n2ixd@arrl.net</a>	<b>Raffle Administrator</b>	Forest Shick, WA2MZG	<a href="mailto:wa2mzg@arrl.net">wa2mzg@arrl.net</a>
<b>Education</b>	Tim Brown, WB2PAY	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>	<b>RARA Academy</b>	Tim Brown, WB2PAY Scott Theis, W2LW	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a> <a href="mailto:webmaster@rochesterham.org">webmaster@rochesterham.org</a>
<b>Hamfest Co-Producers</b>	Tim Guyot, KB1POP Mike Moore, KC2NM Dave Mitchell, KD2RAF George Lama, KC2OXJ	<a href="mailto:timguyot@gmail.com">timguyot@gmail.com</a> <a href="mailto:mikemoore@ieee.org">mikemoore@ieee.org</a> <a href="mailto:mitchellbds@gmail.com">mitchellbds@gmail.com</a> <a href="mailto:kc2oxj@gmail.com">kc2oxj@gmail.com</a>	<b>RARA RAG Editor</b>	Forest Shick, WA2MZG	<a href="mailto:editor@rochesterham.org">editor@rochesterham.org</a>
<b>VE Team</b>	Don Kiser, AC2EV	<a href="mailto:dkiser100@gmail.com">dkiser100@gmail.com</a>	<b>Refreshments</b>	Kelly Nichols, KD0FOP Robert Mac Donald, KD2OHI	
<b>Media Communications</b>	Tim Guyot, KB1POP	<a href="mailto:timguyot@gmail.com">timguyot@gmail.com</a>	<b>Reward Points Administrator</b>	Tim Barrett, K9VB	<a href="mailto:tim.k9vb@gmail.com">tim.k9vb@gmail.com</a>
<b>Meeting Audio</b>	Brad Allen, KB2CHY	<a href="mailto:ballen@frontiernet.net">ballen@frontiernet.net</a>	<b>Venture Crew</b>	Stephen Fell, K2SRF Mark Pedersen, KC2UES	<a href="mailto:k2srf@rochester.rr.com">k2srf@rochester.rr.com</a>
<b>Membership Secretary</b>	Tim Barrett, K9VB	<a href="mailto:tim.k9vb@gmail.com">tim.k9vb@gmail.com</a>	<b>Webmaster</b>	Scott Theis, W2LW	<a href="mailto:webmaster@rochesterham.org">webmaster@rochesterham.org</a>

## ROCHESTER AREA RADIO CLUB CONTACTS

### Antique Wireless Association (AWA)

Lynn Bisha, W2BSN: [lbisha@rochester.rr.com](mailto:lbisha@rochester.rr.com)

### Amateur Radio Association of the Southern Tier (ARAST)

Reiner Dieg, N2PEZ: [rdieg@yahoo.com](mailto:rdieg@yahoo.com)

### Astronomy Section Rochester Academy of Science

Mark Minarich: [mminaric@rochester.rr.com](mailto:mminaric@rochester.rr.com)

### Community Amateur Radio Club (CARC)

Joe Gangi, AC2NB: [ac2nb.carc@gmail.com](mailto:ac2nb.carc@gmail.com)

### Digital Communications Association of Perinton (DCAP)

Gary Skuse, KA1NJL: [ka1njl@arri.net](mailto:ka1njl@arri.net)

### Drumlins Amateur Radio Club Ltd. (DARC)

Alan Cook, K2MPE: [alancook948@gmail.com](mailto:alancook948@gmail.com)

### Fisherman's Net Amateur Radio Club

Jim Sutton, N2OPS: [jim@otrym.org](mailto:jim@otrym.org)

### Genesee Valley Amateur Radio Assn.

Bill Boyd, N3DSP: [N3DSP@lafireline.net](mailto:N3DSP@lafireline.net)

### Keuka Lake Amateur Radio Association (KLARA)

Gary Stratton, KC2YTD: [keukelakeara@gmail.com](mailto:keukelakeara@gmail.com)

### Monroe County ARES

Jim DiTucci, N2IXD: [n2ixd@arri.net](mailto:n2ixd@arri.net)

### Orleans County Amateur Radio Club (OCARC)

Terry Cook, K2EYS: [k2eys@ocarc.us](mailto:k2eys@ocarc.us)

### Rochester Amateur Radio Association (RARA)

Tim Guyot, KB1POP: [timguyot@gmail.com](mailto:timguyot@gmail.com)

### ROC City Net

Jim Merolillo, K2ZX: [k2zx52@gmail.com](mailto:k2zx52@gmail.com)

### Rochester DX Association (RDXA)

Chris Shalvoy, K2CS: [cshalvoy@att.net](mailto:cshalvoy@att.net)

### Rochester Makerspace

David Duckles: [rocmakers@gmail.com](mailto:rocmakers@gmail.com)

### Rochester Radio Repeater Association (RRRA)

Bob Shewell, N2HJD: [bshewell@frontiernet.net](mailto:bshewell@frontiernet.net)

### Rochester VHF Group (RVHFG)

John Stevens, WB2BYP: [wb2byp@arri.net](mailto:wb2byp@arri.net)

### Squaw Island Amateur Radio Club (SIARC)

Steve Benton, WB2VMR: [sbenton2@rochester.rr.com](mailto:sbenton2@rochester.rr.com)

### Westside Amateur Radio Club

Justin Grigg, KC2EQU: [communications@westsideamateurradio.club](mailto:communications@westsideamateurradio.club)

### XRX Amateur Radio Club

Brian Donovan, K2AS: [k2as@outlook.com](mailto:k2as@outlook.com)

## MAY RAG DEADLINE APRIL 15, 2018



**RARA meets at 7PM on the first  
Wednesday of each month. Join us at:**

Seneca Waterways Council, BSA Headquarters  
2320 Brighton Henrietta Town Line Rd  
Rochester, New York 14623

### GET DIRECTIONS

### Rochester Area Repeater Listing

### *THE RARA RAG*

Published by

Rochester Amateur Radio Association, Inc.  
P.O. Box 93333, Rochester, NY, 14692-8333  
Hotline – (585) 210- 8910  
Website – <http://www.rochesterham.org>